American DJ®

MOBILE BEAM
MOBILE RAY

User Instructions

American DJ®
4295 Charter Street
Los Angeles Ca. 90058
www.americandj.com

Rev. 5/05

Introduction: Thank you for purchasing the Mobile Beam™ or Mobile Ray™ by American DJ®. The Mobile Beam™ or the Mobile Ray™ is an affordable, portable, reliable light. The light can run in a single stand alone mode or in a master/slave configuration. The unit functioning as the master will react to an audio signal via the built-in microphone, and the slave will follow the master. The Mobile Beam™ and the Mobile Ray™ include a bright 250 watt lamp and an combined gobo and color wheel. Add the unique lighting effect with the compact and light case design and you get a completely portable lighting effect show. This system is great for mobile DJ's, bands, and small clubs. The system is set up and easy in minutes and packs a powerful light show in a relatively small package. For best results use this system with a fog machine or other type of special effect fog to enhance the output of the colorful beams produced beams.

Customer Support: American DJ® provides a toll free customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.americandj.com for any comments or suggestions. For service related issue please contact American DJ®. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time.

Voice:	(800) 322-6337
Fax:	(323) 582-2610
E-mail:	support@americandj.com

To purchase parts online visit http://parts.americandj.com

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this system to rain or moisture.

Caution! There are no user serviceable parts inside these units. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event any of your units require service please contact your nearest American DJ® customer support.

PLEASE recycle the shipping carton whenever possible.

Mobile Beam™/Mobile Ray™ Unpacking

Unpacking: Every Mobile Beam™ and Mobile Ray™ have been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your units for any damage and be sure all accessories necessary to operate the system have arrived intact. In the event damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return the system to your dealer without first contacting customer support.

Mobile Beam™/Mobile Ray™ Product Registration

The Mobile Beam™ and Mobile Ray™ carry a one year (365 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a sheet of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.A. number by contacting our customer support team on our toll free customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

Mobile Beam™/Mobile Ray™ Safety Precautions

- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Please route your power cord away from foot traffic.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in the event of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the rear cover under any conditions. There are no user serviceable parts inside.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6” (15cm) between this device and a wall.
- Do not attempt to operate this unit if it becomes damaged in any way.
- Never operate this unit when it’s front cover is removed.
- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit’s main power.
- Always mount this unit in safe and stable matter.
- Power-Cord Protection - Power-supply cords should be route so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords a plugs, convenience receptacles, and the point where they exit from the fixture.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 8.
- Heat -The fixture should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen, or liquid has been spilled into the appliance.
  C. The appliance has been exposed to rain or water.
  D. The fixture does not appear to operate normally or exhibits a marked change in performance.

Operating Modes:

• ***Stand Alone, Sound Active mode -*** In this mode the unit will react to sound. You can also use the optional Mini/C or Wireless/C Remote Control to blackout and other functions.

• ***Master/Slave mode -*** You can daisy chain up to 16 units together to get a synchronized light show that will react to sound chasing through several built in programs.You can also use the optional Mini/C or Wireless/C Remote Control to blackout and other functions.

Stand-Alone, Sounde Active Mode: This mode allows a single unit to run to the beat of the music or chase through one of two programs you can select. With the Mobile Beam you may choose to run either a big angle program or small angle sound active show, depending on the size of the dance floor. Use this mode when running a single unit, or when running several units as individuals.

1. Follow the dipswitch setting on the next page to set either a big angle or a small angle sound active show.
2. If you wish to use the optional remote control, connect it now. The remote control will allow you to activate a blackout mode.
3. Connect the unit to main power.
4. Adjust the audio sensitivity knob on the bottom of the unit to make the unit more or less sensitive to sound. Turning the sensitivity knob in the clockwise direction will increase the sensitivity, turning the knob in the counter-clockwise direction will decrease the fixture's sensitivity to sound.

Master/Slave/Sound Active Mode: The Mobile Beam™ and Mobile Ray™ can run in a master/slave sound active mode, only. In this mode the unit runs to the beat of the music without any type of controller. The slave unit will follow the masters' head movement step for step.

1. Mount your units in a safe and secure manner.
2. Connect the "slave" unit to the "master" unit. Using the provided XLR microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output.
4. Follow the dipswitch settings on the next page to set your desired

program and to designate the "master" unit and "slave" unit(s).

3. If you wish to use the optional remote control, connect it now. The remote control will allow you to activate a blackout mode.
4. Connect the unit to main power.
5. Adjust the audio sensitivity knob on the bottom of the unit to make the unit more or less sensitive to sound. Turning the sensitivity knob in the clockwise direction will increase the sensitivity, turning the knob in the counter-clockwise direction will decrease the fixture's sensitivity to sound.
6. The unit functioning as the master will now react to an audio signal via the built-in microphone, and the slave will follow the master.

MOBILE RAY

Dispswitch Change Master / Slave

1 : ON 2 : OFF Master Program1

1 : ON 2 : ON Master Program2

1 : OFF 2 : OFF Slave1

1 : OFF 2 : ON Slave2

MOBILE BEAM

Dispswitch Change Master / Slave

1 : ON 2 : OFF Master Big Angle

1 : ON 2 : ON Master Small Angle

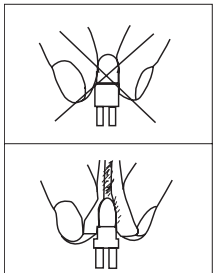
1 : OFF 2 : OFF Slave1

1 : OFF 2 : ON Slave2

Mobile Beam™/Mobile Ray™ Dipswitch Location

You will want to remove the front of the unit to access the dip-switches, as you would do when changing the lamp. Please be careful when doing this. Remember to disconnect the main power and allow the fixture time to cool down.

Mobile Beam™/Mobile Ray™ Reset & Lamp Replacement



Halogen Lamp Warning: This fixture is fitted with halogen lamps which are highly susceptible to damage if improperly handled. Never touch the lamps with your bare fingers as the oil from your hands will shorten lamp life. Also, never move the fixture until the lamps have had ample time to cool. Remember, lamps are not covered under warranty conditions.

Caution: Always replace with the exact same type lamp, unless otherwise specified by an authorized American DJ® service technician. Replacing with anything other than the specified part can damage your unit and will void your manufactures warranty.

Warning: If you continue to blow the lamp or breaker, STOP using the unit. Contact customer support for further instructions, you may have to return the unit for servicing. Continuing to use the unit may cause serious damage.

Lamp Replacement: Caution! Never open the unit when it is in use. Always disconnect the main power and allow the fixture ample time to cool before attempting to replace the lamps. Again, please remember to always replace with the exact same type lamp.

1. Be sure to follow the proper procedures when handling halogen lamps. Never touch the new lamp with your bare fingers.
2. Unscrew the two thumb screws on the front of the unit.
3. Once the thumb screws have been removed, remove the lamp assembly cover to expose the lamp.
4. Remove and replace the lamp
5. Reassemble in reverse order.

Breaker Reset: This unit is equipped with a built-in safety breaker. This breaker is designed to close the power circuit in the event of an internal short or power surge. This will reduce the risk of electrical shock or fire and protect the circuitry. To reset the breaker, push the breaker button in until you hear it “pop” back in to place. If the breaker continues to pop, stop using the unit and contact our customer support team, the unit may need to be returned for service.

For any other service related issues, please contact American DJ® customer support.

Mobile Beam™/Mobile Ray™ Cleaning

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outer casing.
2. Use a brush to wipe down the cooling vents.
3. Clean the external portion of the optics with glass cleaner and a soft cloth every 20 days. Situation may very. If used heavily in clubs with lots of fog, cleaning may be required more often.
4. Clean the internal portion of the optics with glass cleaner and a soft cloth every 30-60 days.
5. Always be sure to dry all parts completely before plugging the unit in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

Mobile Beam™/Mobile Ray™ Trouble Shooting

Trouble Shooting: Listed below are a few common problems that you may encounter, with solutions.

No light output from the unit;

1. Be sure you have connected your units into a standard 120v outlet.
2. Check the breaker.
3. Remove the lamp cover and be sure the lamps are seated in their socket properly. Occasionally lamps become loose during shipping be sure the lamps are properly seated in their sockets.
4. Be sure the blackout button on the remote control is not engaged.

Unit does not respond to sound;

1. Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.
2. Be sure the blackout button on the remote control is not engaged.

Mobile Beam™/Mobile Ray™ Warranty

1-YEAR LIMITED WARRANTY

A. American DJ® hereby warrants, to the original purchaser, American DJ® products to be free of manufacturing defects in material and workmanship for a period of 1 Year (365 days) from the date of purchase. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the American DJ® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, American DJ® will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, American DJ® shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which American DJ® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the American DJ® factory unless prior written authorization was issued to purchaser by American DJ®; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, American DJ® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of American DJ® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of American DJ®. All products covered by this warranty were manufactured after January 1, 1990, and bear identifying marks to that effect.

E. American DJ® reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by American DJ® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall American DJ® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

G. This warranty is the only written warranty applicable to American DJ® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

H. Lamps are not covered under this or any other warranty, either written or implied.

MODEL: MOBILE BEAM™/MOBILE RAY™

VOLTAGE*:	120v~60Hz *or* 220v~50Hz
LAMP *(PER UNIT)*:	ZB-ELC10 24v/250w
DIMENSIONS:	8.5” L x 9" W x 17"H
WEIGHT:	8.5 Lbs/ 3.8 Kgs
BREAKER:	5 Amp
WORKING POSITION:	Any safe position
COOLING:	Fan Cooled
WARRANTY:	1 Year (365 days)

** Voltage is preset at the factory*

Please Note: *Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.*

©American DJ® Supply
American DJ World Headquarters:
4295 Charter Street Los Angeles, CA. 90058-2520 USA
Tel: 323-582-2650 Fax: 323-582-2610
Web: www.americandj.com E-mail: info@americandj.com